

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012120\  
 Data File : BP001672.D  
 Acq On : 21 Jan 2020 16:39  
 Operator : CG/JU  
 Sample : L1166-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 QVD-WC-S-SB-BC

Quant Time: Jan 22 03:54:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 14 21:52:04 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.59  | 152  | 13812    | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 10.37 | 136  | 55171    | 20.00  | ng    | -0.05    |
| 39) Acenaphthene-d10        | 14.25 | 164  | 46498    | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 17.01 | 188  | 126764   | 20.00  | ng    | -0.04    |
| 76) Chrysene-d12            | 21.11 | 240  | 141661   | 20.00  | ng    | -0.05    |
| 87) Perylene-d12            | 23.32 | 264  | 157583   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.22  | 112  | 110304   | 156.44 | ng    | -0.05    |
| 7) Phenol-d6                | 6.79  | 99   | 156979   | 139.31 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 8.74  | 82   | 127023   | 100.61 | ng    | -0.05    |
| 42) 2,4,6-Tribromophenol    | 15.75 | 330  | 97370    | 137.57 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 12.86 | 172  | 300796   | 95.11  | ng    | -0.04    |
| 79) Terphenyl-d14           | 19.60 | 244  | 792162   | 102.28 | ng    | -0.04    |

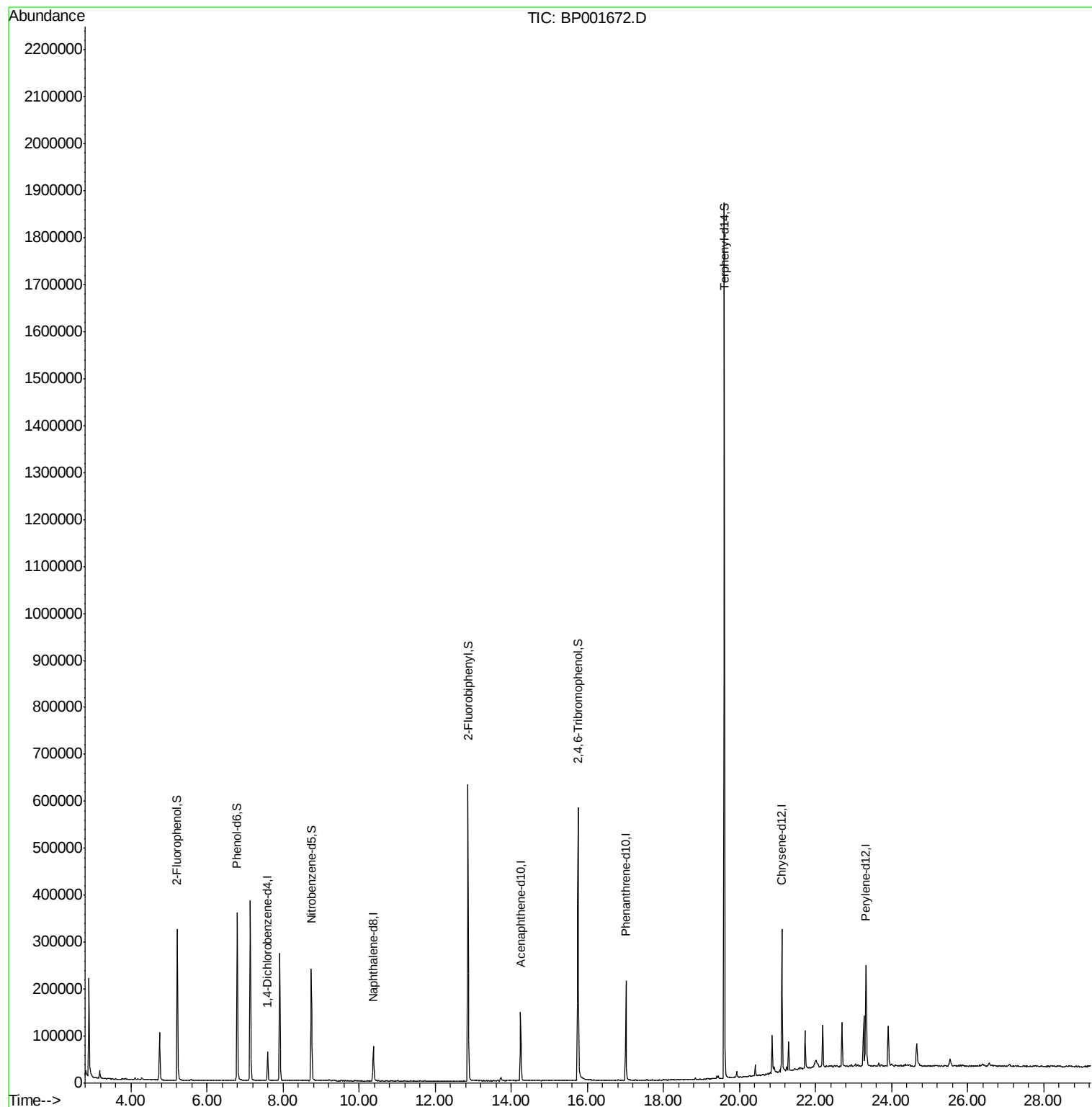
Target Compounds Qvalue

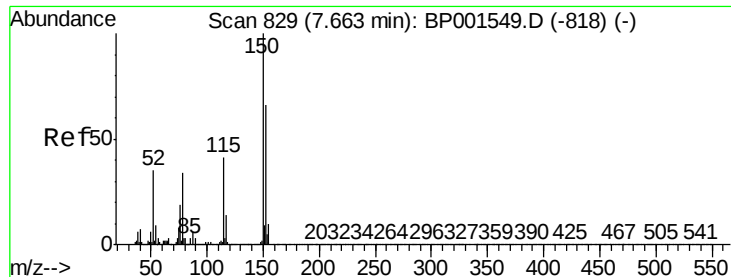
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Jan 22 03:54:36 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 14 21:52:04 2020  
Response via : Initial Calibration



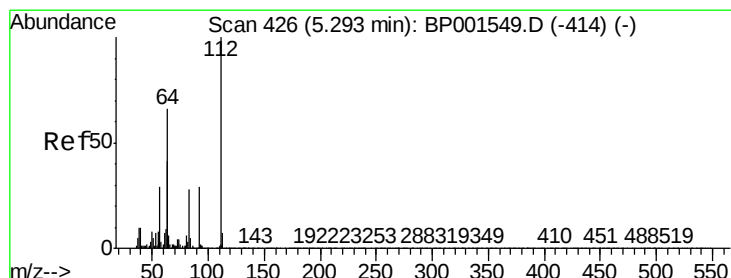
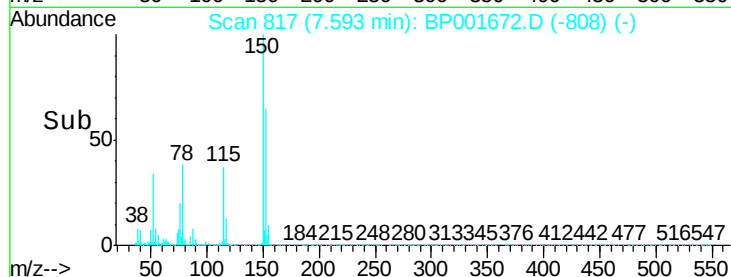
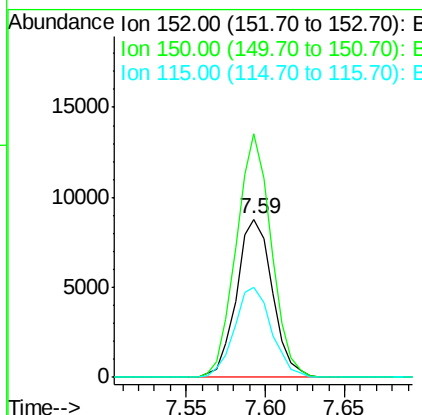
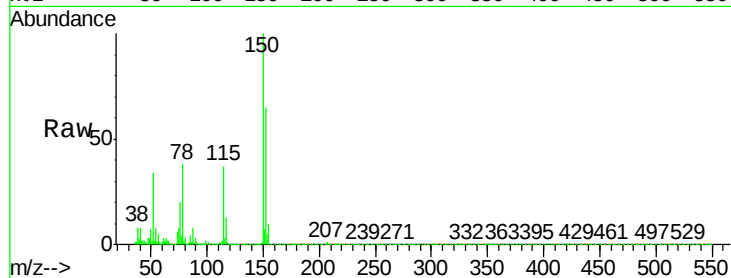


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.59 min Scan# 817  
Delta R.T. -0.05 min  
Lab File: BP001672.D  
Acq: 21 Jan 2020 16:39

Instrument :  
BNA\_P  
ClientSampleId :  
QVD-WC-S-SB-BC

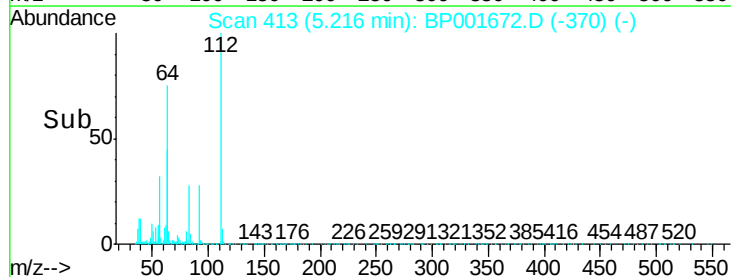
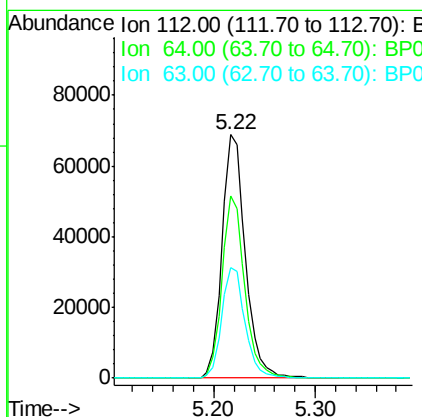
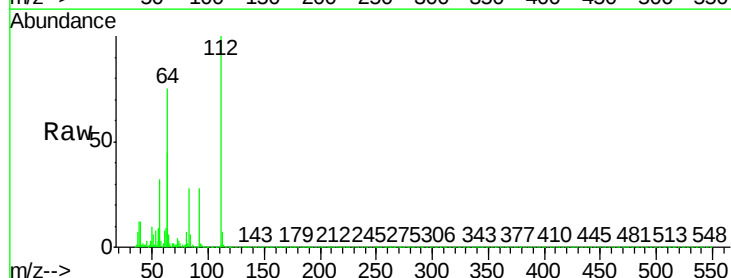
Tot Ion:152 Resp: 13812  
Ion Ratio Lower Upper  
152 100  
150 154.3 122.0 183.0  
115 57.0 50.7 76.1

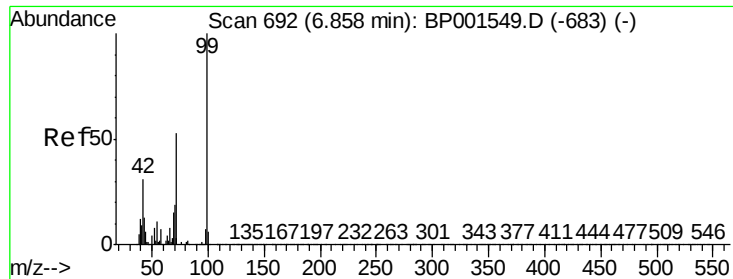


#5

2-Fluorophenol  
Concen: 156.440 ng  
RT: 5.22 min Scan# 413  
Delta R.T. -0.05 min  
Lab File: BP001672.D  
Acq: 21 Jan 2020 16:39

Tgt Ion:112 Resp: 110304  
Ion Ratio Lower Upper  
112 100  
64 74.6 52.8 79.2  
63 45.5 33.1 49.7





#7

Phenol-d6

Concen: 139.306 ng

RT: 6.79 min Scan# 681

Delta R.T. -0.04 min

Lab File: BP001672.D

Acq: 21 Jan 2020 16:39

Instrument :

BNA\_P

ClientSampleId :

QVD-WC-S-SB-BC

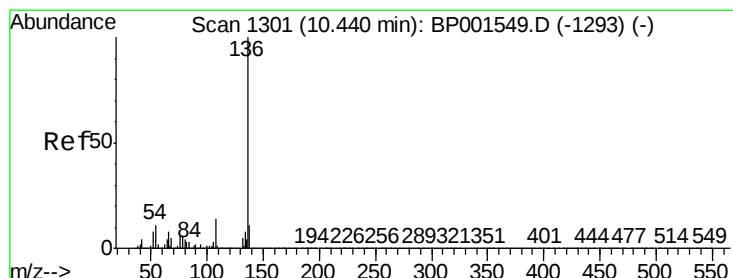
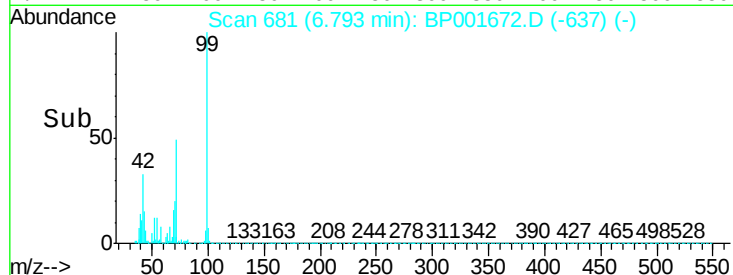
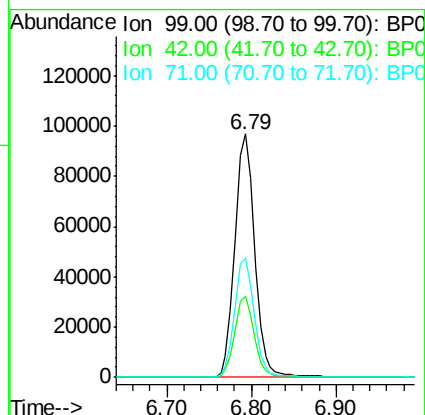
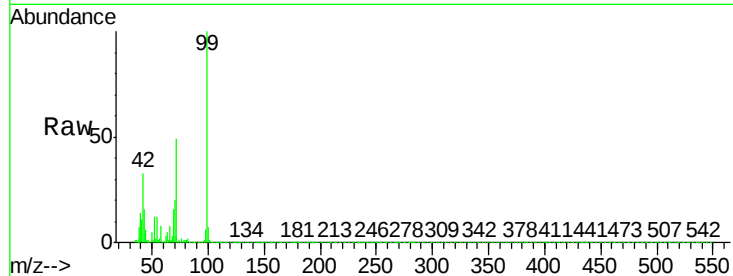
Tot Ion: 99 Resp: 156979

Ion Ratio Lower Upper

99 100

42 33.1 24.5 36.7

71 48.8 42.4 63.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BP001672.D

Acq: 21 Jan 2020 16:39

Tgt Ion: 136 Resp: 55171

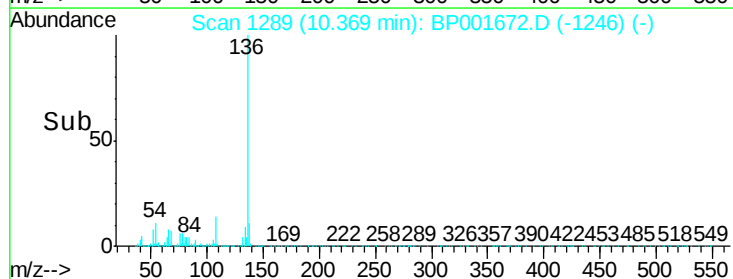
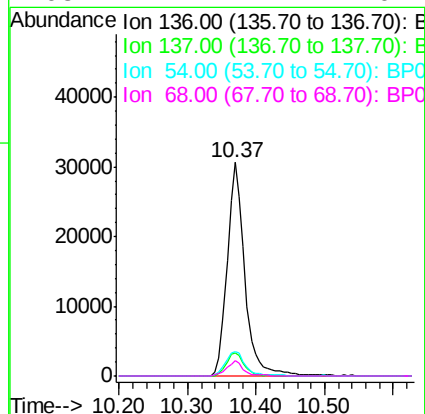
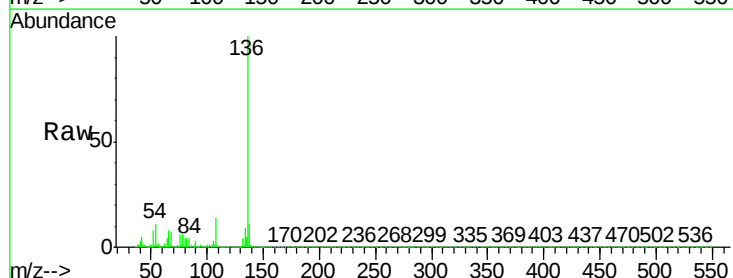
Ion Ratio Lower Upper

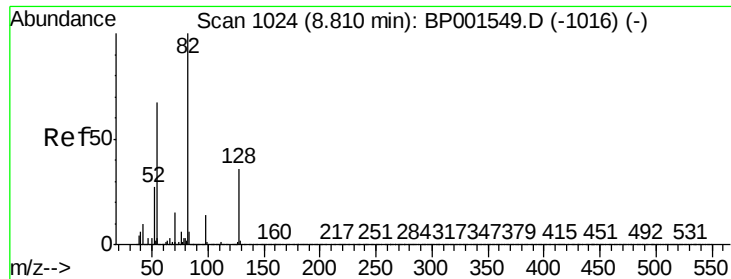
136 100

137 10.9 8.6 12.8

54 11.5 9.2 13.8

68 7.2 4.1 6.1#

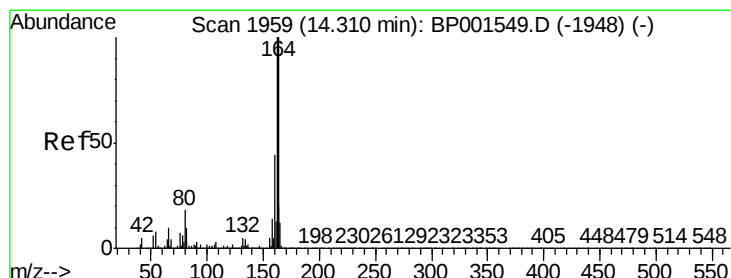
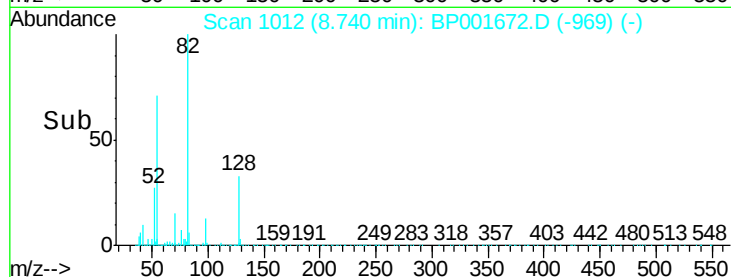
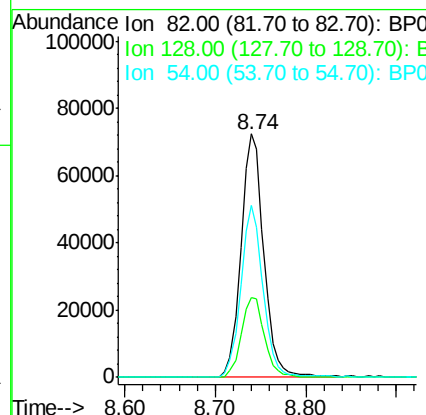
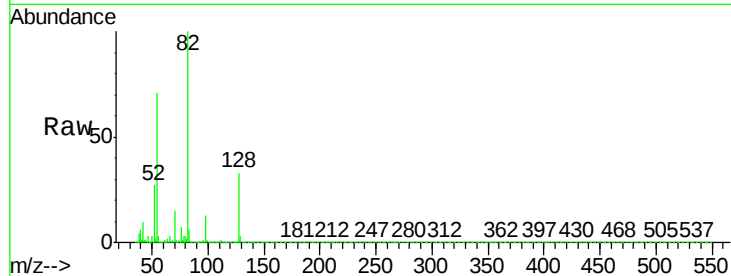




#23  
 Nitrobenzene-d5  
 Concen: 100.607 ng  
 RT: 8.74 min Scan# 1012  
 Delta R.T. -0.05 min  
 Lab File: BP001672.D  
 Acq: 21 Jan 2020 16:39

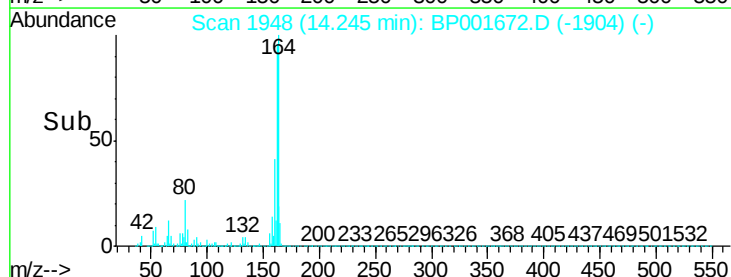
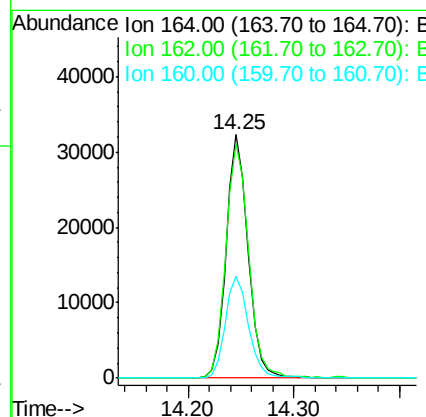
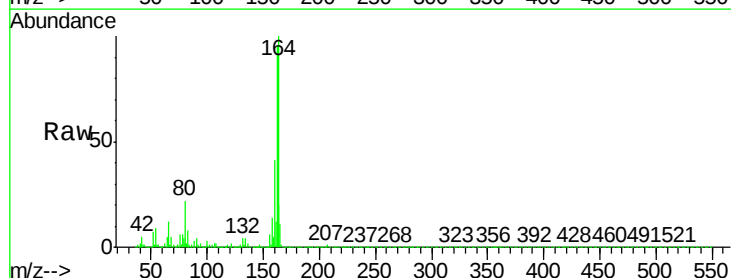
Instrument :  
 BNA\_P  
 ClientSampleId :  
 QVD-WC-S-SB-BC

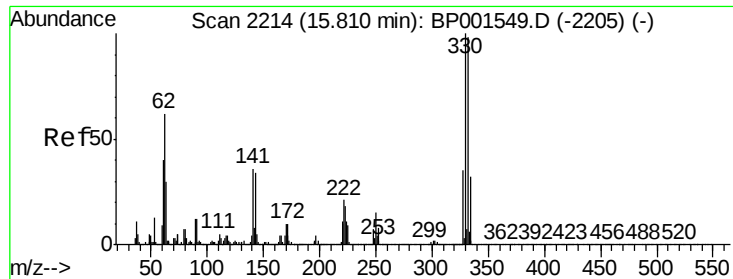
| Tot Ion   | 82    | Resp  | 127023 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 32.9  | 28.4  | 42.6   |
| 54        | 70.9  | 53.4  | 80.2   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.25 min Scan# 1948  
 Delta R.T. -0.04 min  
 Lab File: BP001672.D  
 Acq: 21 Jan 2020 16:39

| Tgt Ion   | 164   | Resp  | 46498 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 96.4  | 79.8  | 119.6 |
| 160       | 41.5  | 35.0  | 52.6  |

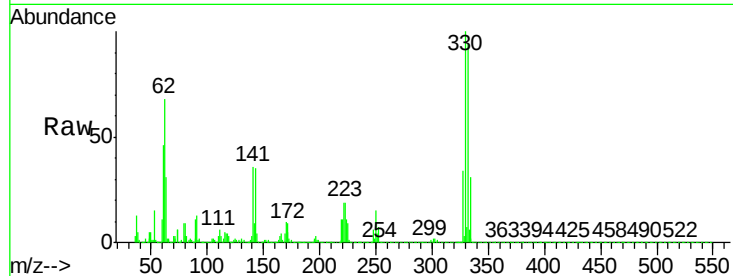




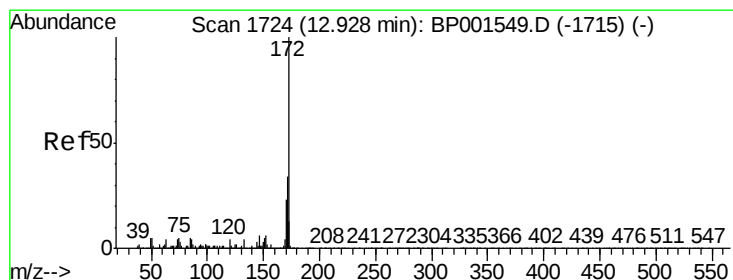
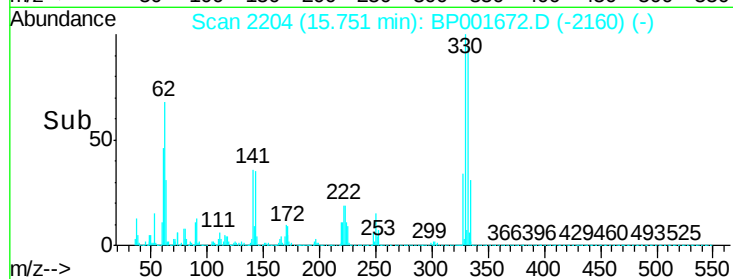
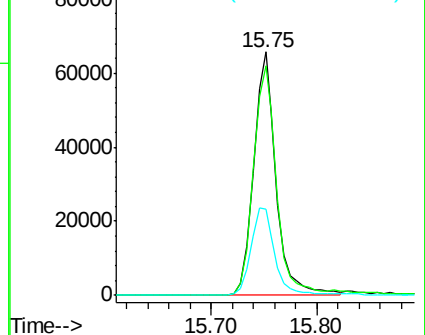
#42  
2,4,6-Tribromophenol  
Concen: 137.569 ng  
RT: 15.75 min Scan# 2204  
Delta R.T. -0.04 min  
Lab File: BP001672.D  
Acq: 21 Jan 2020 16:39

Instrument :  
BNA\_P  
ClientSampleId :  
QVD-WC-S-SB-BC

Tot Ion:330 Resp: 97370  
Ion Ratio Lower Upper  
330 100  
332 100.5 77.8 116.6  
141 38.1 28.7 43.1

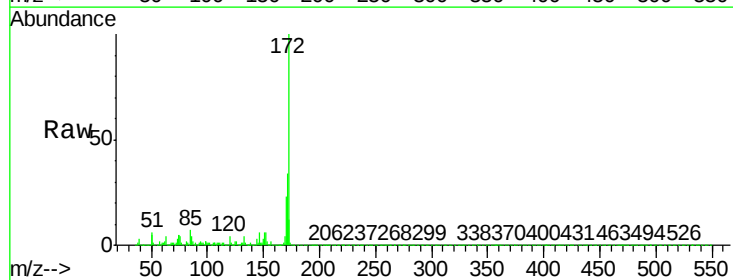


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

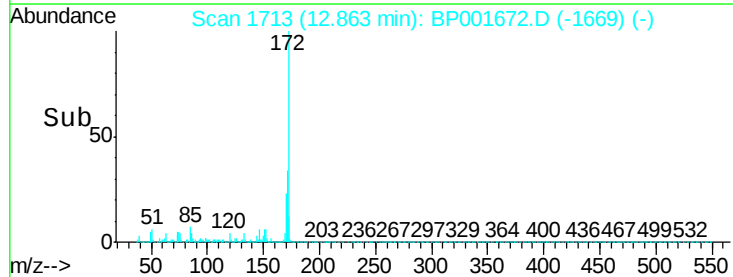
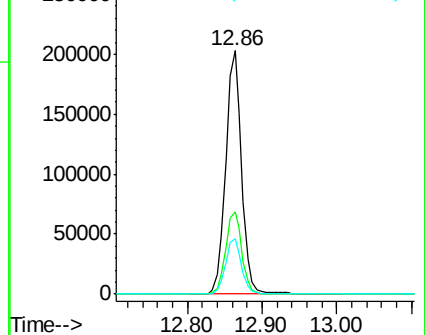


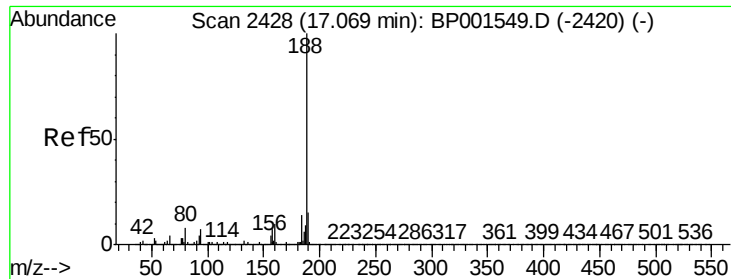
#45  
2-Fluorobiphenyl  
Concen: 95.112 ng  
RT: 12.86 min Scan# 1713  
Delta R.T. -0.04 min  
Lab File: BP001672.D  
Acq: 21 Jan 2020 16:39

Tgt Ion:172 Resp: 300796  
Ion Ratio Lower Upper  
172 100  
171 34.0 27.6 41.4  
170 22.7 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.01 min Scan# 2418

Delta R.T. -0.04 min

Lab File: BP001672.D

Acq: 21 Jan 2020 16:39

Instrument :

BNA\_P

ClientSampleId :

QVD-WC-S-SB-BC

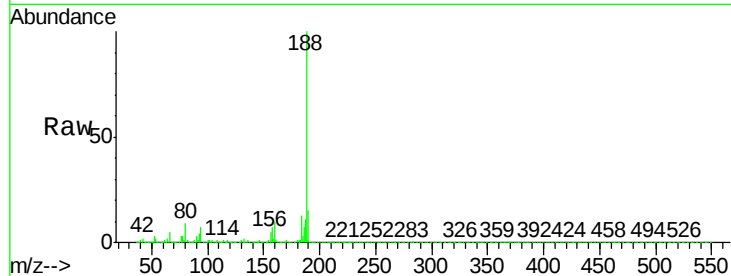
Tot Ion:188 Resp: 126764

Ion Ratio Lower Upper

188 100

94 7.3 5.9 8.9

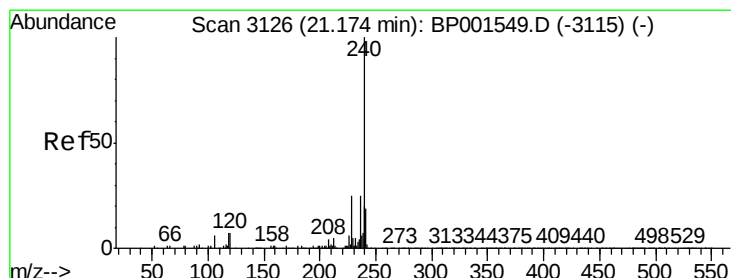
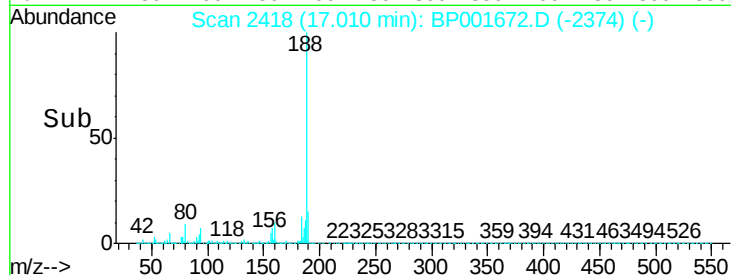
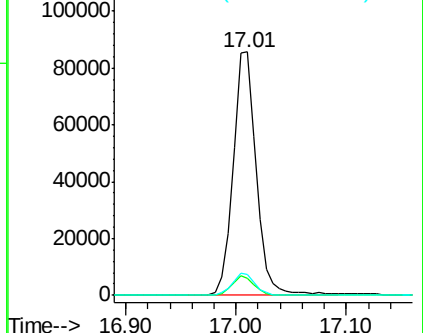
80 8.7 6.8 10.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.11 min Scan# 3115

Delta R.T. -0.05 min

Lab File: BP001672.D

Acq: 21 Jan 2020 16:39

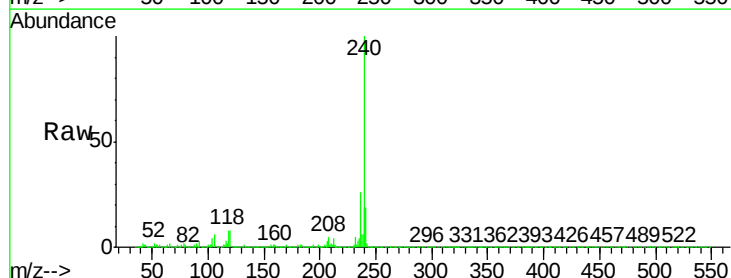
Tgt Ion:240 Resp: 141661

Ion Ratio Lower Upper

240 100

120 8.2 5.7 8.5

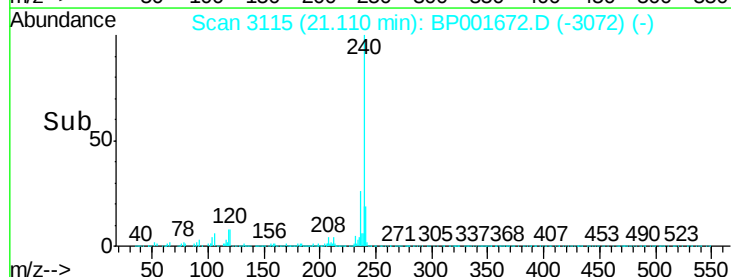
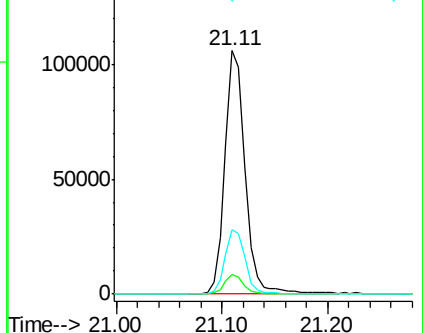
236 26.2 20.4 30.6

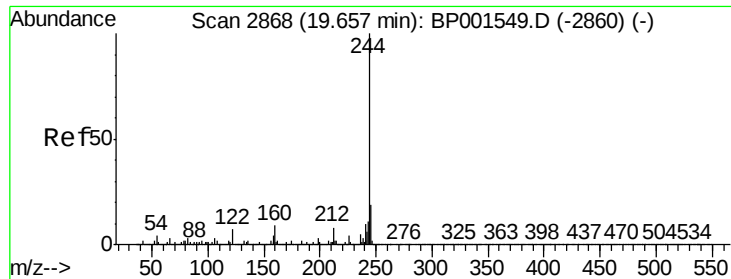


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 102.279 ng

RT: 19.60 min Scan# 2858

Delta R.T. -0.04 min

Lab File: BP001672.D

Acq: 21 Jan 2020 16:39

Instrument :

BNA\_P

ClientSampleId :

QVD-WC-S-SB-BC

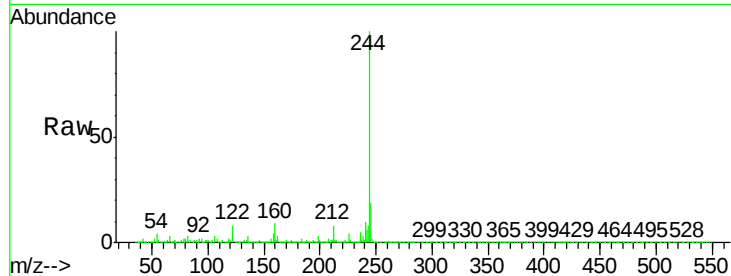
Tot Ion:244 Resp: 792162

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

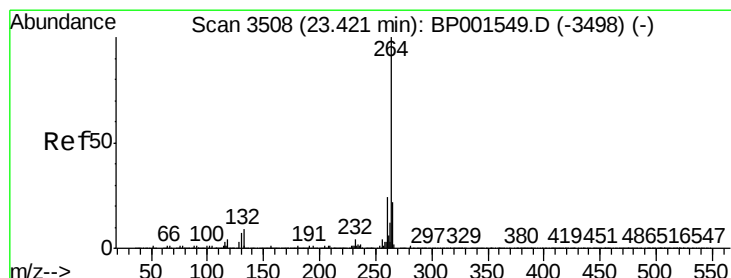
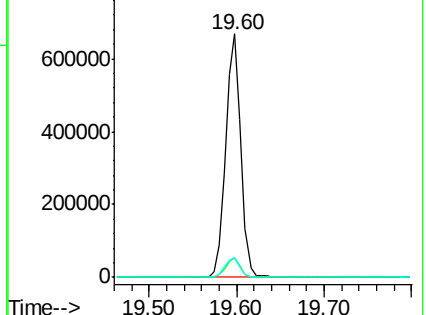
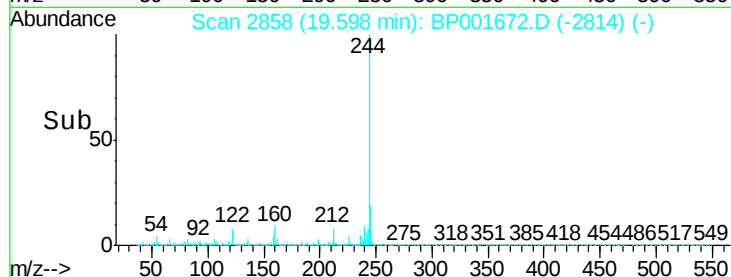
122 7.9 5.8 8.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.32 min Scan# 3491

Delta R.T. -0.07 min

Lab File: BP001672.D

Acq: 21 Jan 2020 16:39

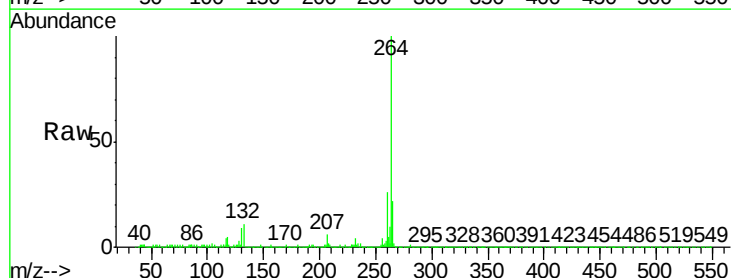
Tgt Ion:264 Resp: 157583

Ion Ratio Lower Upper

264 100

260 25.7 19.0 28.6

265 21.8 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

